

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93 papers	2,766 citations	27 h-index	50 g-index
108 ext. papers	3,560 ext. citations	5.1 avg, IF	5.17 L-index

#	Paper	IF	Citations
93	Experimental Demonstration of Genetic Algorithm Based Metalens Design for Generating Side-Lobe-Suppressed, Large Depth-of-Focus Light Sheet. <i>Laser and Photonics Reviews</i> , <b>2022</b> , 16, 2100425	8.3	4
92	Dual-comb photothermal spectroscopy.. <i>Nature Communications</i> , <b>2022</b> , 13, 2181	17.4	4
91	Phase-Modulation-Amplifying Hollow-Core Fiber Photothermal Interferometry for Ultrasensitive Gas Sensing. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	2
90	Recent Advances in Spectroscopic Gas Sensing With Micro/Nano-Structured Optical Fibers. <i>Photonic Sensors</i> , <b>2021</b> , 11, 141-157	2.3	1
89	Selective Excitation of Polarization-Steered Chiral Photoluminescence in Single Plasmonic Nanohelicoids. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101502	15.6	2
88	Light-induced symmetry breaking for enhancing second-harmonic generation from an ultrathin plasmonic nanocavity. <i>Nature Communications</i> , <b>2021</b> , 12, 4326	17.4	16
87	Single Plasmonic Nanohelicoids: Selective Excitation of Polarization-Steered Chiral Photoluminescence in Single Plasmonic Nanohelicoids (Adv. Funct. Mater. 30/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170217	15.6	0
86	Oxygen Gas Sensing with Photothermal Spectroscopy in a Hollow-Core Negative Curvature Fiber. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
85	MIR-Pump NIR-Probe Fiber-Optic Photothermal Spectroscopy With Background-Free First Harmonic Detection. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 12709-12715	4	17
84	Differential Fiber Optic Gyroscope Driven by Two Broadband Sources of Different Wavelengths. <i>IEEE Access</i> , <b>2020</b> , 8, 65443-65449	3.5	1
83	Modeling and performance evaluation of in-line Fabry-Perot photothermal gas sensors with hollow-core optical fibers. <i>Optics Express</i> , <b>2020</b> , 28, 5423-5435	3.3	18
82	Ethane detection with mid-infrared hollow-core fiber photothermal spectroscopy. <i>Optics Express</i> , <b>2020</b> , 28, 38115-38126	3.3	18
81	Phase-controlled metasurface design via optimized genetic algorithm. <i>Nanophotonics</i> , <b>2020</b> , 9, 3931-3939	3.3	12
80	Mode-phase-difference photothermal spectroscopy for gas detection with an anti-resonant hollow-core optical fiber. <i>Nature Communications</i> , <b>2020</b> , 11, 847	17.4	42
79	Silica Hollow-Core Negative Curvature Fibers Enable Ultrasensitive Mid-Infrared Absorption Spectroscopy. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 2067-2072	4	17
78	Creating an Eco-Friendly Building Coating with Smart Subambient Radiative Cooling. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906751	24	68
77	Chirality Transfer from Sub-Nanometer Biochemical Molecules to Sub-Micrometer Plasmonic Metastructures: Physiochemical Mechanisms, Biosensing, and Bioimaging Opportunities. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907151	24	23

76	Sub-ppm CO detection in a sub-meter-long hollow-core negative curvature fiber using absorption spectroscopy at 2.3 $\mu$ m. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 303, 127238	8.5	18
75	Laser-Induced Dispersion With Stimulated Raman Scattering in Gas-Filled Optical Fiber. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 2120-2125	4	2
74	Cavity-Enhanced Photothermal Gas Detection With a Hollow Fiber Fabry-Perot Absorption Cell. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 4222-4228	4	9
73	Low-Noise Closed-Loop FOG Driven by Two Broadband Sources. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 4555-4559	4	4
72	Defining Deep-Subwavelength-Resolution, Wide-Color-Gamut, and Large-Viewing-Angle Flexible Subtractive Colors with an Ultrathin Asymmetric Fabry-Perot Lossy Cavity. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900646	8.1	31
71	Investigation on Rotation Response of Spin-Exchange Relaxation-Free Atomic Spin Gyroscope. <i>IEEE Access</i> , <b>2019</b> , 7, 148176-148182	3.5	3
70	Nanofiber enhanced stimulated Raman spectroscopy for ultra-fast, ultra-sensitive hydrogen detection with ultra-wide dynamic range. <i>Optica</i> , <b>2019</b> , 6, 570	8.6	12
69	Random Multiple Scattering Enhanced Photoacoustic Gas Spectroscopy with Disordered Porous Ceramics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26372-26377	9.5	
68	Epitaxial VO <sub>2</sub> Nanostructures: A Route to Large-Scale, Switchable Dielectric Metasurfaces. <i>ACS Photonics</i> , <b>2018</b> , 5, 2561-2567	6.3	25
67	3D Metaphotonic Nanostructures with Intrinsic Chirality. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803143	13.6	73
66	Bragg Gratings in Suspended-Core Photonic Microcells for High-Temperature Applications. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 2920-2924	4	13
65	Electron Transport Across Plasmonic Molecular Nanogaps Interrogated with Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , <b>2018</b> , 12, 6492-6503	16.7	52
64	Hollow-Core Fiber-Based High Finesse Resonating Cavity for High Sensitivity Gas Detection. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 2887-2893	4	15
63	Red Shift of Side-Polished Fiber Surface Plasmon Resonance Sensors With Silver Coating and Inhibition by Gold Plating. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-13	1.8	6
62	Roadmap on optical sensors. <i>Journal of Optics (United Kingdom)</i> , <b>2017</b> , 19,	1.7	45
61	Long Period Fiber Grating Inscribed in Hollow-Core Photonic Bandgap Fiber for Gas Pressure Sensing. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-7	1.8	9
60	Hollow-Core Microstructured Optical Fiber Gas Sensors. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 3413-3424	4	40
59	Optical Fiber Photoacoustic Gas Sensor With Graphene Nano-Mechanical Resonator as the Acoustic Detector. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 199-209	3.8	25

58	Nanowaveguide Enhanced Photothermal Interferometry Spectroscopy. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 5267-5275	4	5
57	Distributed gas sensing with optical fibre photothermal interferometry. <i>Optics Express</i> , <b>2017</b> , 25, 31568-31585	3.3	18
56	Performance optimization of hollow-core fiber photothermal gas sensors. <i>Optics Letters</i> , <b>2017</b> , 42, 4712-4715	3.7	17
55	Measurement of the Adhesion Energy of Pressurized Graphene Diaphragm Using Optical Fiber Fabry-Perot Interference. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 3664-3669	4	10
54	Hollow-core fiber Fabry-Perot photothermal gas sensor. <i>Optics Letters</i> , <b>2016</b> , 41, 3025-8	3	46
53	Pulsed photothermal interferometry for spectroscopic gas detection with hollow-core optical fibre. <i>Scientific Reports</i> , <b>2016</b> , 6, 39410	4.9	38
52	Enhanced THz-to-IR emission from gas-surrounded metallic nanostructures by femtosecond laser irradiation. <i>Optics Communications</i> , <b>2016</b> , 381, 414-417	2	
51	Interference characteristics in a Fabry-Perot cavity with graphene membrane for optical fiber pressure sensors. <i>Microsystem Technologies</i> , <b>2015</b> , 21, 2297-2306	1.7	26
50	Ultra-sensitive all-fibre photothermal spectroscopy with large dynamic range. <i>Nature Communications</i> , <b>2015</b> , 6, 6767	17.4	132
49	1 IN Fiber Optic Coupler Based on a Polyhedral Gradient-Index Lens. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 2685-2689	4	1
48	Graphene diaphragm analysis for pressure or acoustic sensor applications. <i>Microsystem Technologies</i> , <b>2015</b> , 21, 117-122	1.7	16
47	Effects of graphene membrane parameters on diaphragm-type optical fibre pressure sensing characteristics. <i>Materials Research Innovations</i> , <b>2015</b> , 19, S5-17-S5-23	1.9	3
46	The fiber optic Sagnac interferometer and its sensing application <b>2015</b> ,		1
45	Temperature-Insensitive Hydrogen Sensor With Polarization-Maintaining Photonic Crystal Fiber-Based Sagnac Interferometer. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 2566-2571	4	22
44	Towards high sensitivity gas detection with hollow-core photonic bandgap fibers. <i>Optics Express</i> , <b>2014</b> , 22, 24894-907	3.3	48
43	Phase sensitivity of fundamental mode of hollow-core photonic bandgap fiber to internal gas pressure. <i>Optics Express</i> , <b>2014</b> , 22, 13190-201	3.3	14
42	Transferable, transparent and functional polymer@graphene 2D objects. <i>NPG Asia Materials</i> , <b>2014</b> , 6, e130-e130	10.3	11
41	Photonic crystal fibers, devices, and applications. <i>Frontiers of Optoelectronics</i> , <b>2013</b> , 6, 3-24	2.8	25

40	Fiber-Optic Fabry-Pérot Acoustic Sensor With Multilayer Graphene Diaphragm. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 932-935	2.2	158
39	Core-shell nanoarchitecture: a strategy to significantly enhance white-light upconversion of lanthanide-doped nanoparticles. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 4313	7.1	57
38	Rocking Long Period Gratings in Single Mode Fibers. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 3117-3122	4	4
37	Long period gratings in photonic crystal fibers. <i>Photonic Sensors</i> , <b>2012</b> , 2, 65-70	2.3	6
36	Superbroadband NIR Photoluminescence in $\text{Nd}^{3+}/\text{Tm}^{3+}/\text{Er}^{3+}$ Codoped Fluorotellurite Glasses. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 924-926	2.2	9
35	Intense Near-UV Upconversion Luminescence in $\text{Tm}^{3+}/\text{Yb}^{3+}$ Co-Doped Low-Phonon-Energy Lithium Gallogermanate Oxide Glass. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1726-1729	2.2	12
34	Field Pullout Testing and Performance Evaluation of GFRP Soil Nails. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2011</b> , 137, 633-642	3.4	74
33	Investigation of Long-Period Grating Resonances in Hollow-Core Photonic Bandgap Fibers. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 1708-1714	4	11
32	A Compact Fiber-Tip Micro-Cavity Sensor for High-Pressure Measurement. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 1561-1563	2.2	86
31	Thermo-Optic Switching Effect Based on Fluid-Filled Photonic Crystal Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 164-166	2.2	17
30	Fast Response Microstructured Optical Fiber Methane Sensor With Multiple Side-Openings. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 296-298	2.2	76
29	Structural long period gratings made by drilling micro-holes in photonic crystal fibers with a femtosecond infrared laser. <i>Optics Express</i> , <b>2010</b> , 18, 5496-503	3.3	55
28	Coupled Local-Mode Theory for Strongly Modulated Long Period Gratings. <i>Journal of Lightwave Technology</i> , <b>2010</b> , 28, 1745-1751	4	20
27	Selective-Fluid-Filling Technique of Microstructured Optical Fibers. <i>Journal of Lightwave Technology</i> , <b>2010</b> ,	4	1
26	Monitoring Internal Displacements of a Model Dam Using FBG Sensing Bars. <i>Advances in Structural Engineering</i> , <b>2010</b> , 13, 249-261	1.9	49
25	Comparative Study on the Elongation Measurement of a Soil Nail Using Optical Lower Coherence Interferometry Method and FBG Method. <i>Advances in Structural Engineering</i> , <b>2010</b> , 13, 309-319	1.9	16
24	Directional Bend Sensing With a CO <sub>2</sub> -Laser-Inscribed Long Period Grating in a Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 4884-4891	4	38
23	Relative Humidity Sensor Based on Cascaded Long-Period Gratings With Hydrogel Coatings and Fourier Demodulation. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 1828-1830	2.2	22

22	Compact In-Fiber Interferometer Formed by Long-Period Gratings in Photonic Crystal Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1899-1901	2.2	25
21	Long period gratings in air-core photonic bandgap fibers. <i>Optics Express</i> , <b>2008</b> , 16, 2784-90	3.3	97
20	Fusion splicing small-core photonic crystal fibers and single-mode fibers by repeated arc discharges. <i>Optics Letters</i> , <b>2007</b> , 32, 115-7	3	81
19	Fusion Splicing Photonic Crystal Fibers and Conventional Single-Mode Fibers: Microhole Collapse Effect. <i>Journal of Lightwave Technology</i> , <b>2007</b> , 25, 3563-3574	4	180
18	Strain Characteristics of $\text{CO}_2$ -Laser-Carved Long Period Fiber Gratings. <i>IEEE Journal of Quantum Electronics</i> , <b>2007</b> , 43, 101-108	2	14
17	Continuously wavelength-tunable MQW fabry-perot laser diode pulse source with a fiber-based external cavity. <i>IEEE Journal of Quantum Electronics</i> , <b>2006</b> , 42, 866-870	2	1
16	Temperature sensitivity of a two-mode photonic crystal fiber interferometric sensor. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2168-2170	2.2	27
15	Reflectometry measuring refractive index and thickness of polymer samples simultaneously. <i>Journal of Modern Optics</i> , <b>2006</b> , 53, 1845-1851	1.1	3
14	Design of single-polarization single-mode photonic crystal fiber at 1.30 and 1.55 $\mu\text{m}$ . <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 825-830	4	64
13	Wavelength modulation technique for intra-cavity absorption gas sensor. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2004</b> , 53, 136-139	5.2	20
12	Loss analysis of single-mode fiber/photonic-crystal fiber splice. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 40, 378-380	1.2	22
11	Temperature-insensitive Interferometer using a highly birefringent photonic Crystal fiber loop mirror. <i>IEEE Photonics Technology Letters</i> , <b>2004</b> , 16, 2535-2537	2.2	143
10	Recent progress in bidirectional interrogation techniques for enhancing multiplexing capability of fiber optic white light interferometric sensors. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 4893-4898	1.7	1
9	Design and modeling of a photonic crystal fiber gas sensor. <i>Applied Optics</i> , <b>2003</b> , 42, 3509-15	1.7	192
8	Erbium-doped superfluorescent fiber source for fiber optic gyroscope <b>2002</b> , 4920, 111		7
7	Fiber optic extensometer for concrete deformation measurements. <i>Review of Scientific Instruments</i> , <b>2002</b> , 73, 2469-2474	1.7	
6	Multiplexing of fiber-optic white light interferometric sensors using a ring resonator. <i>Journal of Lightwave Technology</i> , <b>2002</b> , 20, 1471-1477	4	3
5	Enhanced multiplexing capacity of low-coherence reflectometric sensors with a loop topology. <i>IEEE Photonics Technology Letters</i> , <b>2002</b> , 14, 1157-1159	2.2	11

4	Fiber optic differential interferometer. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2000</b> , 49, 779-782	5.2	3
3	Performance analysis of a time-division-multiplexed fiber Bragg grating sensor array by use of a tunable laser source. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2000</b> , 6, 741-749	3.8	36
2	FMCW multiplexing of fiber Bragg grating sensors. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2000</b> , 6, 756-763	3.8	22
1	Interferometric signals in fiber optic methane sensors with wavelength modulation of the DFB laser source. <i>Journal of Lightwave Technology</i> , <b>1998</b> , 16, 43-53	4	36